

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/017,672
Source: OIPE
Date Processed by STIC: 12/31/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk CD-Rom or replacement disk CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebe/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

1600 Technology Center, Crystal Mall One, Washington, D.C. 20591, Room 1B03, Crystal Plaza Two

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <i>10/017,672</i>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic <input type="checkbox"/> Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino <input type="checkbox"/> Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input checked="" type="checkbox"/> Variable Length	Sequence(s) <i>13-15 (maybe more)</i> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 <input type="checkbox"/> "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences <input type="checkbox"/> (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences <input type="checkbox"/> (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's <input type="checkbox"/> (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> <input type="checkbox"/> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 <input type="checkbox"/> "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,672

DATE: 12/31/2001
TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

3 <110> APPLICANT: Nishikawa, Kiyotaka
4 Lai, Jack
5 Songyang, Zhou
6 Yaffe, Michael B.
7 Cantley, Lewis C.
9 <120> TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding Compounds

11 <130> FILE REFERENCE: C1123/7001 (JRV)
13 <140> CURRENT APPLICATION NUMBER: US/10/017,672

14 <141> CURRENT FILING DATE: 2001-12-14

16 <150> PRIOR APPLICATION NUMBER: US 60/255,586

17 <151> PRIOR FILING DATE: 2000-12-14

19 <160> NUMBER OF SEQ ID NOS: 23

21 <170> SOFTWARE: PatentIn version 3.1

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 15

25 <212> TYPE: PRT

26 <213> ORGANISM: Artificial Sequence

28 <220> FEATURE:

29 <223> OTHER INFORMATION: Synthetic Peptide

31 <220> FEATURE:

32 <221> NAME/KEY: MISC_FEATURE

33 <222> LOCATION: (3)..(6)

34 <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

36 <220> FEATURE:

37 <221> NAME/KEY: MISC_FEATURE

38 <222> LOCATION: (8)..(11)

39 <223> OTHER INFORMATION: Xaa = any amino acid except Trp, Cys or Tyr

41 <400> SEQUENCE: 1

43 Met Ala Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Ala Lys Lys Lys

44 1 5 10 15

47 <211> SEQ ID NO: 2

48 <211> LENGTH: 9

49 <211> TYPE: PRT

50 <213> ORGANISM: Artificial Sequence

52 <220> FEATURE:

53 <223> OTHER INFORMATION: Synthetic Peptide

55 <220> FEATURE:

56 <221> NAME/KEY: MISC_FEATURE

57 <222> LOCATION: (1)..(1)

58 <223> OTHER INFORMATION: Xaa Lys, Gln or Ile

60 <220> FEATURE:

PP 4/5
Does Not Comply
Corrected Diskette Needed.

SEARCHED _____
INDEXED _____
MADE AVAILABLE _____
FILED _____
12/31/2001

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,672

DATE: 12/31/2001
TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

68 <223> OTHER INFORMATION: Xaa = Ile or Leu
70 <220> FEATURE:
71 <221> NAME/KEY: MISC_FEATURE
72 <222> LOCATION: (4)..(4)
73 <223> OTHER INFORMATION: Xaa = Leu, Ile or Thr
75 <220> FEATURE:
76 <221> NAME/KEY: MISC_FEATURE
77 <222> LOCATION: (6)..(6)
78 <223> OTHER INFORMATION: Xaa = Leu, Ile, Thr or Val
80 <220> FEATURE:
81 <221> NAME/KEY: MISC_FEATURE
82 <222> LOCATION: (7)..(7)
83 <223> OTHER INFORMATION: Xaa = Leu, Thr or Ile
85 <220> FEATURE:
86 <221> NAME/KEY: MISC_FEATURE
87 <222> LOCATION: (8)..(8)
88 <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
90 <220> FEATURE:
91 <221> NAME/KEY: MISC_FEATURE
92 <222> LOCATION: (9)..(9)
93 <223> OTHER INFORMATION: Xaa = Leu, Thr, Ile or Gln
95 <400> SEQUENCE: 2

W-Y 97 Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa

98 1 5
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 9
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Synthetic Peptide
108 <400> SEQUENCE: 3
110 Glu Glu Glu Glu Tyr Phe Phe Ile Ile
111 1 5
114 <210> SEQ ID NO: 4
115 <211> LENGTH: 9
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Synthetic Peptide
120 <400> SEQUENCE: 4
124 Lys Leu Ile Leu Tyr Leu Leu Leu Leu
125 1 5
128 <210> SEQ ID NO: 5
129 <211> LENGTH: 13
130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,672

DATE: 12/31/2001
TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

138 Glu Glu Glu Glu Tyr Phe Phe Ile Ile Ala Lys Lys Lys
139 1 5 10
142 <210> SEQ ID NO: 6
143 <211> LENGTH: 13
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Synthetic Peptide
150 <400> SEQUENCE: 6
151 Lys Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
153 1 5 10
156 <210> SEQ ID NO: 7
157 <211> LENGTH: 4
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Synthetic Peptide
164 <400> SEQUENCE: 7
166 Ala Lys Lys Lys
167 1
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 13
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Synthetic Peptide
178 <400> SEQUENCE: 8
180 Glu Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
181 1 5 10
184 <210> SEQ ID NO: 9
185 <211> LENGTH: 9
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Synthetic Peptide
191 <400> SEQUENCE: 9
194 Lys Leu Ile Leu Phe Leu Leu Leu Leu
195 1 5
196 <210> SEQ ID NO: 10
197 <211> LENGTH: 8
198 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Synthetic Peptide
206 <400> SEQUENCE: 10
208 Leu Ile Leu Tyr Leu Leu Leu

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,672

DATE: 12/31/2001
TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

214 <212> TYPE: PRT
 215 <213> ORGANISM: Artificial Sequence
 217 <220> FEATURE:
 218 <223> OTHER INFORMATION: Synthetic Peptide
 220 <400> SEQUENCE: 11
 221 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
 223 1 5 10 15
 226 <210> SEQ ID NO: 12
 227 <211> LENGTH: 25
 228 <212> TYPE: PRT
 229 <213> ORGANISM: Artificial Sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: Synthetic Peptide
 234 <400> SEQUENCE: 12
 236 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
 237 1 5 10 15
 239 Lys Leu Ile Leu Phe Leu Leu Leu
 240 20 25
 243 <210> SEQ ID NO: 13
 244 <211> LENGTH: 3
 245 <212> TYPE: PRT
 246 <213> ORGANISM: Artificial Sequence
 248 <220> FEATURE:
 249 <223> OTHER INFORMATION: Synthetic Peptide
 251 <220> FEATURE:
 252 <221> NAME/KEY: MISC_FEATURE
 253 <222> LOCATION: (1)..(1)
 254 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
 phosphorylatable amino acid selected from the group consisting of Tyr, Ser and Thr
 256 <220> FEATURE:
 257 <221> NAME/KEY: MISC_FEATURE
 258 <222> LOCATION: (1)..(1)
 259 <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
 261 <220> FEATURE:
 261 <221> NAME/KEY: MISC_FEATURE
 262 <222> LOCATION: (2)..(2)
 264 <223> OTHER INFORMATION: Xaa = non-degenerate phosphorylatable amino acid selected
 from the group consisting of Tyr, Ser and Thr
 266 <220> FEATURE:
 267 <221> NAME/KEY: MISC FEATURE
 268 <222> LOCATION: (3)..(3)
 269 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
 phosphorylatable amino acid selected from the group consisting of Tyr, Ser and Thr
 271 <220> FEATURE:
 272 <221> NAME/KEY: MISC FEATURE
 273 <222> LOCATION: (3)..(3)

variable length not permitted - see item 5
On Err
summary
sheet

item 5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/017,672

DATE: 12/31/2001
TIME: 12:47:15

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

284 <21> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Synthetic Peptide
290 <220> FEATURE:
291 <221> NAME/KEY: MISC_FEATURE
292 <222> LOCATION: (1)..(1)
293 <223> OTHER INFORMATION: Xaa = any amino acid except Tyr
295 <220> FEATURE:
296 <221> NAME/KEY: MISC_FEATURE
297 <222> LOCATION: (1)..(1)
298 <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
300 <220> FEATURE:
301 <221> NAME/KEY: MISC_FEATURE
302 <222> LOCATION: (3)..(3)
303 <223> OTHER INFORMATION: Xaa = any amino acid except Tyr
305 <220> FEATURE:
306 <221> NAME/KEY: MISC_FEATURE
307 <222> LOCATION: (3)..(3)
308 <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
310 <400> SEQUENCE: 14
Item 5
> 312 Xaa Tyr Xaa
313 1
316 <210> SEQ ID NO: 15
317 <211> LENGTH: 3
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Synthetic Peptide
324 <220> FEATURE:
325 <221> NAME/KEY: MISC_FEATURE
326 <222> LOCATION: (1)..(1)
327 <223> OTHER INFORMATION: Xaa = any amino acid except Tyr or Cys
329 <220> FEATURE:
330 <221> NAME/KEY: MISC_FEATURE
331 <222> LOCATION: (1)..(1)
332 <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
334 <220> FEATURE:
335 <221> NAME/KEY: MISC_FEATURE
336 <222> LOCATION: (3)..(3)
337 <223> OTHER INFORMATION: Xaa = any amino acid except Tyr or Cys
339 <220> FEATURE:
340 <221> NAME/KEY: MISC_FEATURE
341 <222> LOCATION: (3)..(3)
342 <223> OTHER INFORMATION: Xaa = from one through ten amino acids in length
344 <400> SEQUENCE: 15
Item
> 346 Xaa Tyr Xaa
Item

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/017,672

DATE: 12/31/2001
TIME: 12:47:16

Input Set : A:\582316_1.txt
Output Set: N:\CRF3\12312001\J017672.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23